Fig. 1

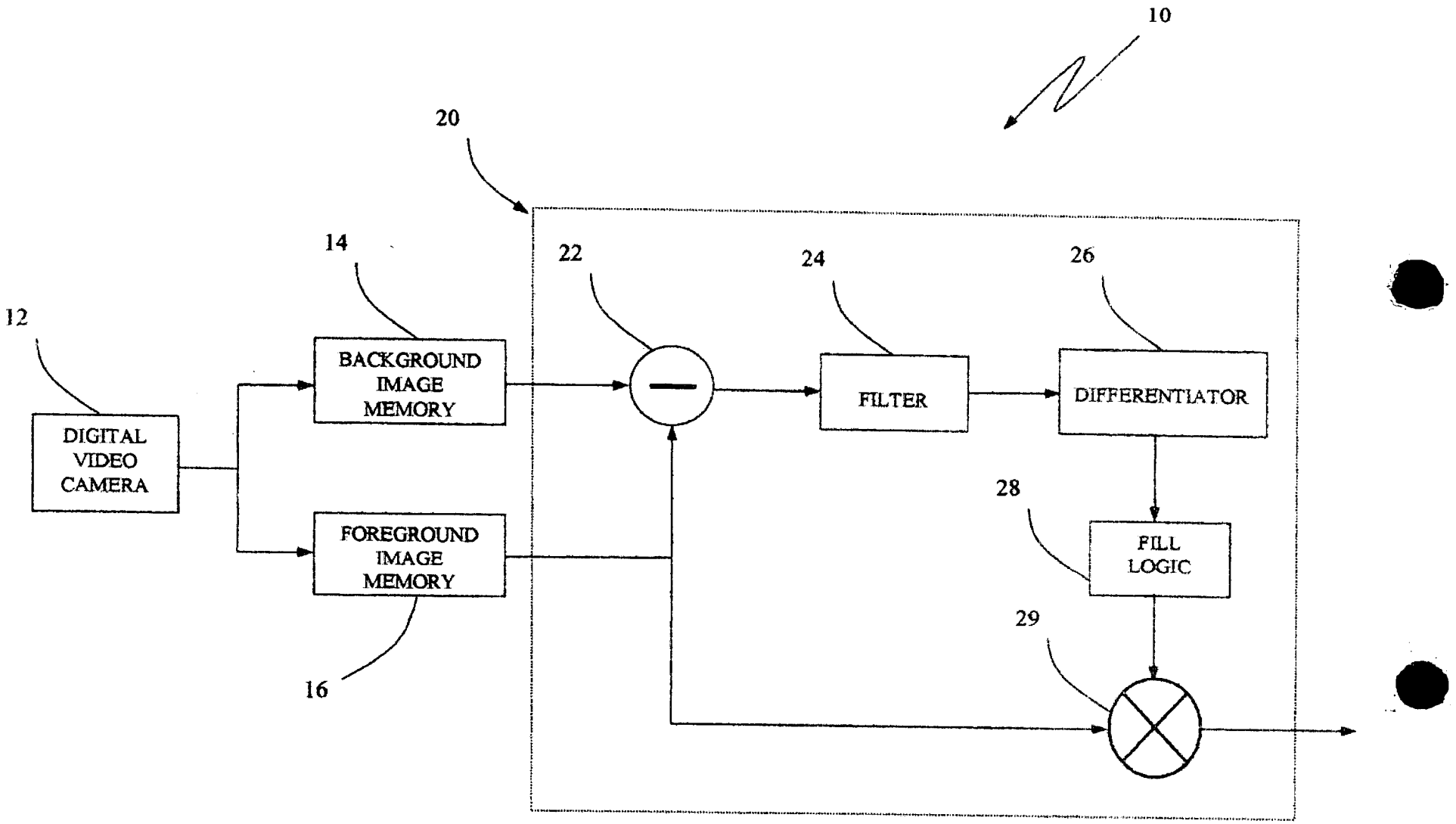
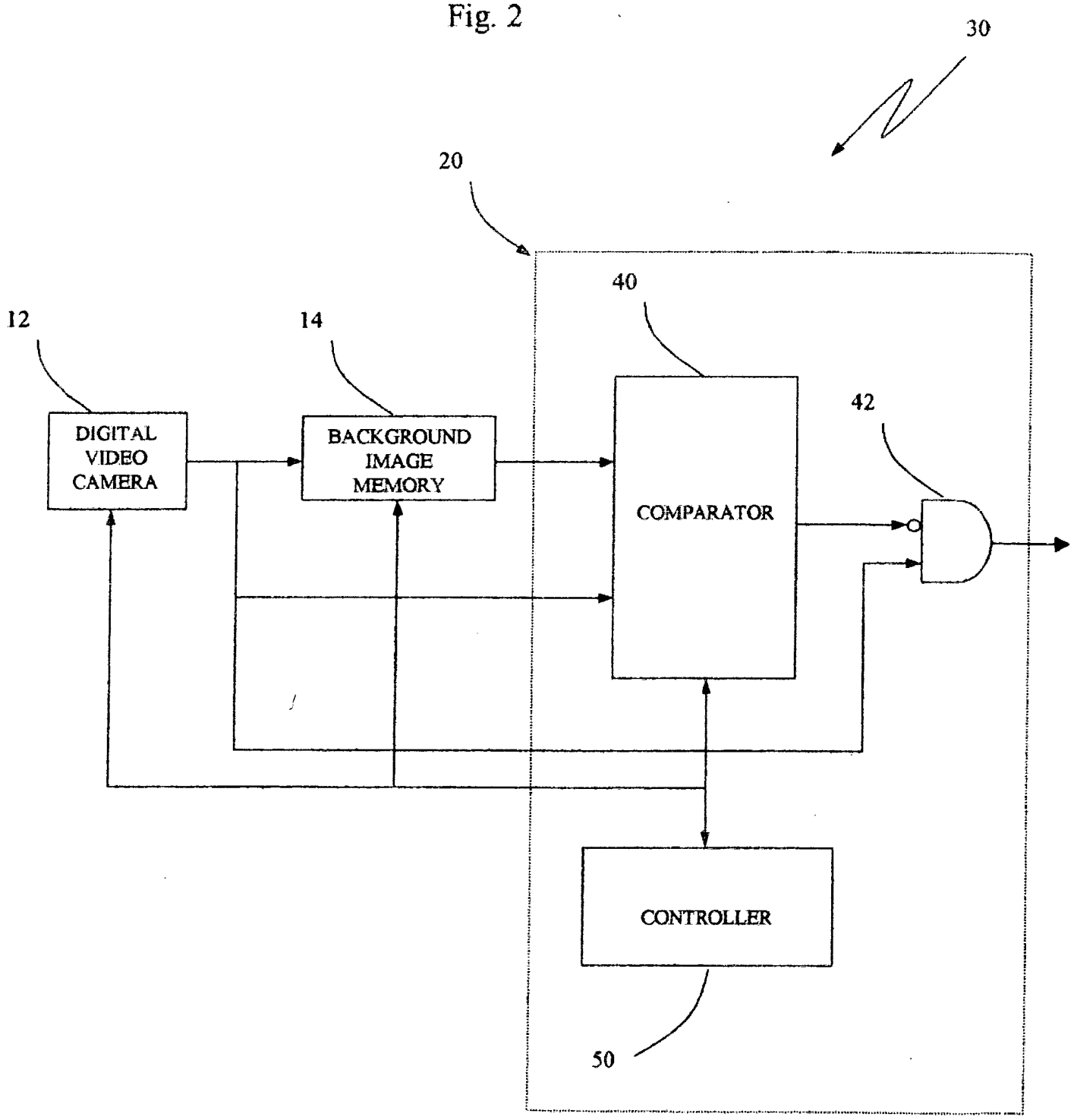

10
20
12
14
16
22
24
26
28
29
DIGITAL VIDEO CAMERA
BACKGROUND IMAGE MEMORY
FOREGROUND IMAGE MEMORY
FILTER
DIFFERENTIATOR
FILL LOGIC

Fig. 2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14
42
DIGITAL VIDEO CAMERA
BACKGROUND IMAGE MEMORY
COMPARATOR
CONTROLLER
50

Fig. 3

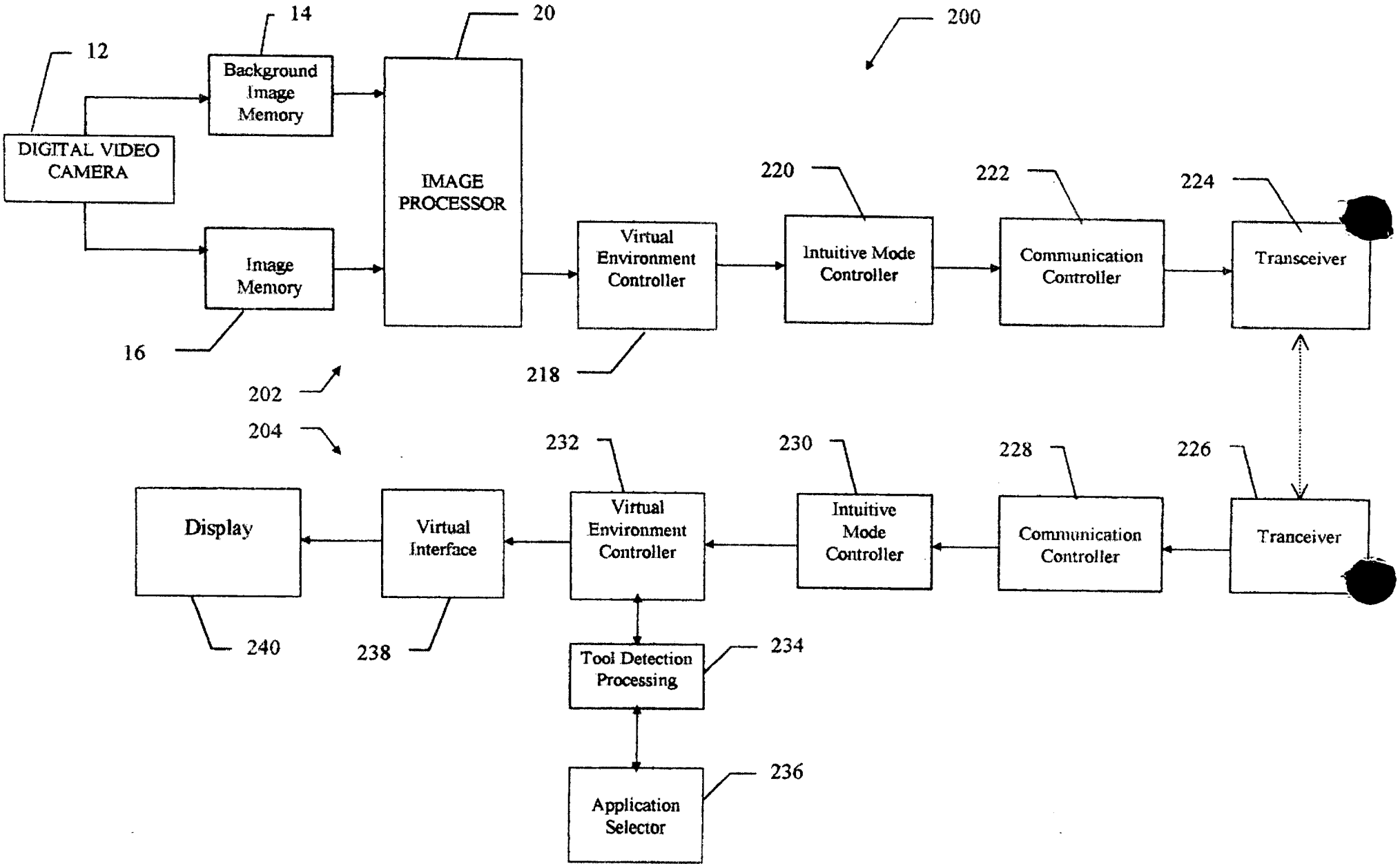
14
20
200
12
Background Image Memory
DIGITAL VIDEO CAMERA
IMAGE PROCESSOR
220
222
224
Image Memory
Virtual Environment Controller
Intuitive Mode Controller
Communication Controller
Transceiver
16
218
202
204
232
230
228
226
Display
Virtual Interface
Virtual Environment Controller
Intuitive Mode Controller
Communication Controller
Tranceiver
240
238
Tool Detection Processing
234
Application Selector
236

Fig. 4

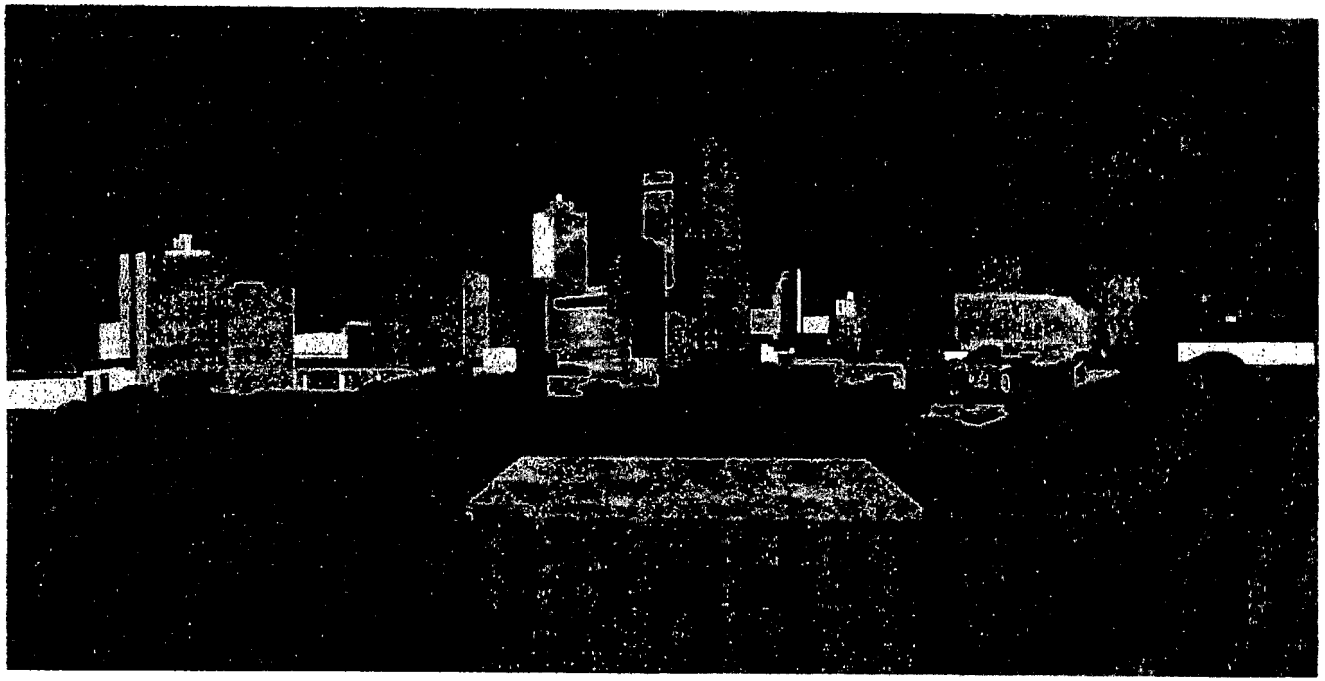

Fig. 5

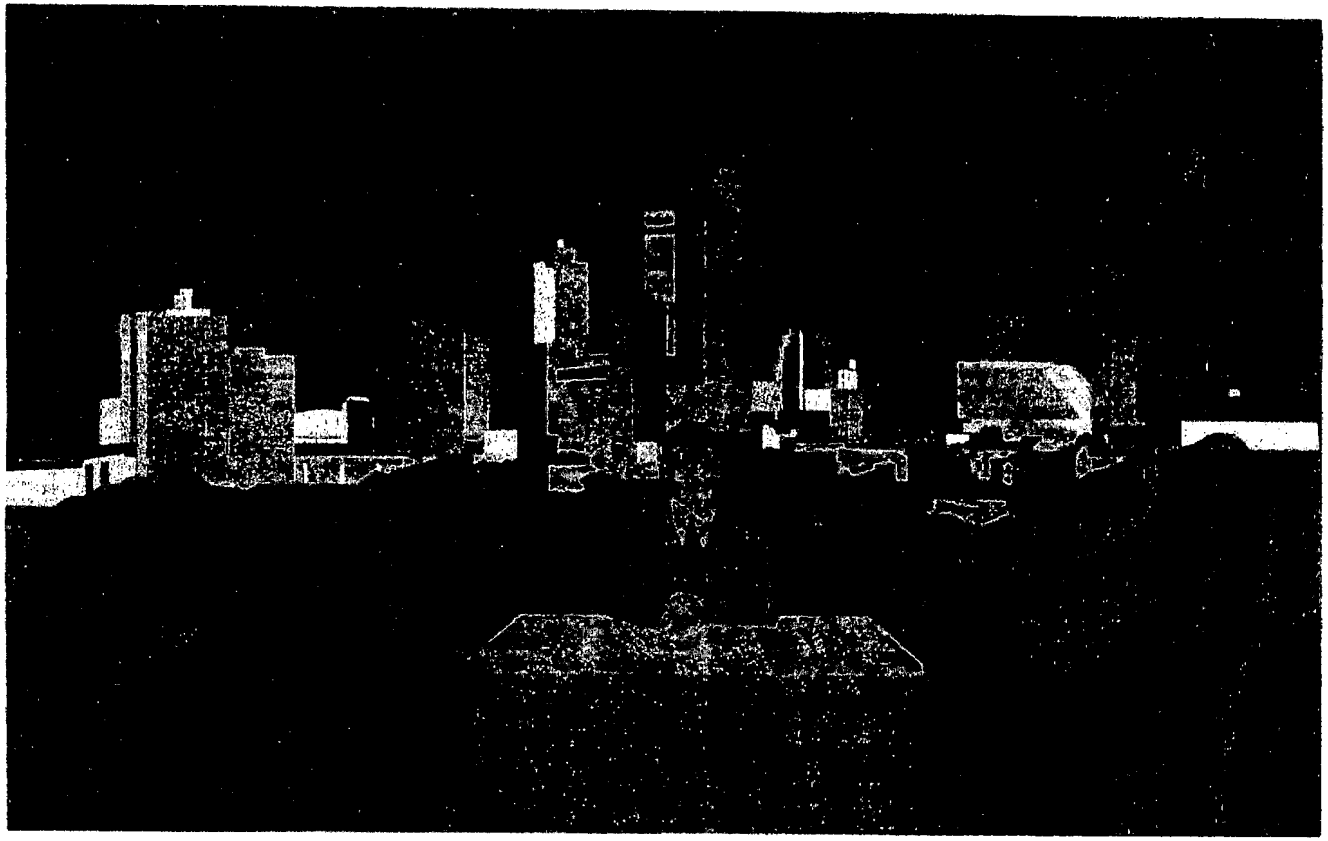

Fig. 6a

Fig. 6b

Fig. 6c

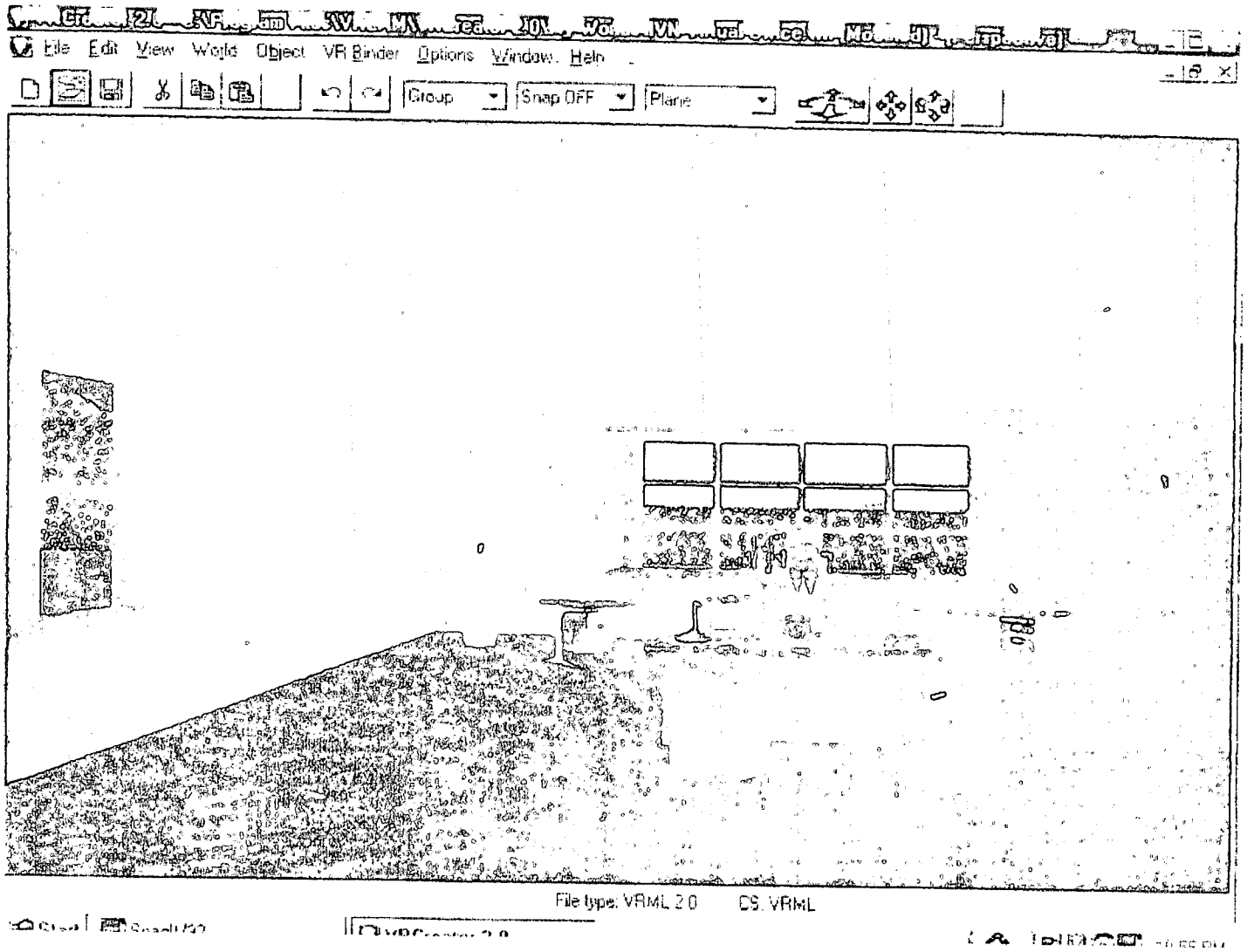
File Edit View Worlds Object VR Binder Options Window Help
Group
Snap OFF
Plane
File type: VRML 2.0
DS: VRML

Fig. 7